

2834

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application: Kyung-Shik CHOI

Serial No: 09/832,076

Filed: April 9, 2001

For: RESIN MOLDED BRUSHLESS
DIRECT CURRENT MOTOR AND
METHOD OF MANUFACTURING
THE SAME

GRP ART UNIT: 2834

Ex.: Thanh LAM

PATENT

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OCT 23 2002**CLAIMS-MARKED UP VERSION**

Claims 1-4 are currently pending in the present application.

Please cancel Claim 2 without prejudice, and amend Claim 1 as set forth below.

1. (Once Amended) A resin molded brushless direct current (BLDC) motor comprising:

a rotor assembly including a rotor and a rotating shaft, the rotor having a plurality of magnets for creating a magnetic field;

a stator assembly including a plurality of multi-phase coils, the plurality of multi-phase coils creating an electric field for generating a torque in cooperation with the magnetic field created by the magnets of the rotor;

an injection molded housing encasing the stator assembly, wherein the housing is injection molded with the stator assembly,

a depression formed in the injection molded housing as a part of the injection molded housing;

a control board disposed [on an outer portion] in the depression of the injection molded housing, the control board including a drive circuit for detecting a position of the rotor and sequentially applying conducting signals to the multi-phase

coils of the stator assembly, wherein the control board in the depression is not affected by the high temperature generated while the housing is being injection molded; and

connection means for electrically connecting the control board to the multi-phase coils of the stator assembly[,]

[wherein the housing is injection molded with the stator assembly].

2. Please cancel claim 2.